

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in this application.

Claims 1-38 (canceled).

39. (previously presented) A computer for producing a three dimensional representation of a binding site for CD40 defined by structure coordinates of human CD40 ligand amino acids Lys143, Arg203, Arg207 and Tyr145, which correspond to residues 28, 88, 92 and 30, respectively, of SEQ ID NO: 3, according to Table 1;

wherein said computer comprises:

(a) a computer program with instructions to produce said three dimensional representation;

(b) a computer-readable data storage medium comprising a data storage material encoded with computer-readable data, wherein said data comprises the structure coordinates of human CD40 ligand amino acids Lys143, Arg203, Arg207 and Tyr145, which correspond to residues 28, 88, 92 and 30, respectively, of SEQ ID NO: 3, according to Table 1; and

(c) a computer screen for displaying said three dimensional representation.

Claims 40-41 (canceled).

42. (previously presented) A computer for producing a three dimensional representation of a molecule or a molecular complex defined by the structure coordinates of all the human CD40 ligand amino acids according to Table 1;

wherein said computer comprises:

(a) a computer program with instructions to produce said three dimensional representation;

(b) a computer-readable data storage medium comprising a data storage material encoded with computer-readable data, wherein said data comprises the structure coordinates of all the human CD40 ligand amino acids according to Table 1; and

(c) a computer screen for displaying said three dimensional representation.

43. (previously presented) A computer for producing a three dimensional representation of a binding site for CD40 defined by structure coordinates of human CD40 ligand amino acids Ile127, Ser128, Glu129, Ala130, Ser131, Thr135, Ser136, Ala141, Glu142, Lys143, Gly144, Tyr145, Tyr146, Cys178, Asn180, Ser185, Gln186, Ala187, Pro188, Ile190, Ala191, Ser192, Ser197, Pro198, Gly199, Arg200, Phe201, Glu202, Arg203, Ile204, Arg207, Ala209, Thr211, Pro217, Cys218, Gly219, Gln220, Glu230, Leu231, Gln232, Asn240, Val241, Thr242, Asp243, Ser245, Val247, Ser248, His249, Gly250, Thr251, Gly252 and Phe253, which correspond to residues 12, 13, 14, 15, 16, 20, 21, 26, 27, 28, 29, 30, 31, 63, 65, 70, 71, 72, 73, 75, 76, 77, 82, 83, 84, 85, 86, 87, 88, 89, 92, 94, 96, 102, 103, 104, 105, 115, 116, 117, 125, 126, 127, 128, 130, 132, 133, 134, 135, 136, 137, and 138, respectively, of SEQ ID NO: 3, according to Table 1;

wherein said computer comprises:

(a) a computer program with instructions to produce said three dimensional representation;

(b) a computer-readable data storage medium comprising a data storage material encoded with computer-readable data, wherein said data comprises the structure coordinates of human CD40 ligand amino acids Ile127, Ser128, Glu129, Ala130, Ser131, Thr135, Ser136, Ala141, Glu142, Lys143, Gly144, Tyr145, Tyr146, Cys178, Asn180, Ser185, Gln186, Ala187, Pro188, Ile190, Ala191, Ser192, Ser197, Pro198, Gly199, Arg200, Phe201, Glu202, Arg203, Ile204, Arg207, Ala209, Thr211, Pro217, Cys218, Gly219, Gln220, Glu230, Leu231, Gln232, Asn240, Val241, Thr242, Asp243, Ser245, Val247, Ser248, His249, Gly250, Thr251, Gly252 and Phe253, which correspond to residues 12, 13, 14, 15, 16, 20, 21, 26, 27, 28, 29, 30, 31, 63, 65, 70, 71, 72, 73, 75, 76, 77, 82, 83, 84, 85, 86, 87, 88, 89, 92, 94, 96, 102, 103, 104, 105, 115, 116, 117, 125, 126, 127, 128, 130, 132, 133, 134, 135, 136, 137, and 138, respectively, of SEQ ID NO: 3, according to Table 1; and

(c) a computer screen for displaying said three dimensional representation.